| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|----------|--------|--|----------------------------------|---------------------|----------|------------------|
| L1 | 92804 | (spatial or temporal or time) near7 analysis | US-PGPUB; USPAT; USOCR | OR | ON | 2007/05/02 12:59 |
| L2 | 4604 | L1 and ((gas\$4 or fluid) near3 concentration) | US-PGPUB; USPAT; USOCR | OR | ON ·. | 2007/05/02 12:55 |
| L3 | 110 | L1 with ((gas\$4 or fluid) near3 concentration) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/05/02 12:55 |
| L4 | 405 | (((spatial or temporal or time) near7 analysis) or map\$3) near15 (gas\$4 or fluid) near7 concentration\$1 | US-PGPUB; USPAT; USOCR | OR | ON | 2007/05/02 13:53 |
| L6 | 9789 | (wind near3 speed) and direction | US-PGPUB; USPAT; USOCR | OR | ON | 2007/05/02 14:03 |
| L7 | 6 | 4 and 6 | US-PGPUB; USPAT; USOCR | OR | ON | 2007/05/02 13:25 |
| L8 | 3524 | (spatial and (temporal or time)) near7 (analysis or map\$4) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/05/02 14:03 |
| L9 | 56 | 6 and 8 | US-PGPUB; USPAT; USOCR | OR | ON | 2007/05/02 13:56 |
| L10 | 254365 | (calibration or known) near3 (gas\$4 or vapor or compound) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/05/02 14:02 |
| L11 | 4 | 9 and 10 | US-PGPUB; USPAT; USOCR | OR | ON | 2007/05/02 14:00 |
| L12 | 11842 | (calibration or known) near3 (gas\$4 or vapor or compound) | EPO; JPO; DERWENT; IBM_TDB | OR | ON . | 2007/05/02 14:02 |
| L13 | 2140 | (wind near3 speed) and direction | EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/02 14:03 |
| L14 | 155 | (spatial and (temporal or time)) near7 (analysis or map\$4) | EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/02 14:03 |
| L15 | 0 | 13 and 14 | EPO; JPO; DERWENT; IBM_TDB | OR . | ON | 2007/05/02 14:04 |
| L16 | 0 | 12 and 14 | EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/02 14:04 |
| S4 | 5149 | (determin\$3 or evaluat\$4 or detec\$3 or sens\$3 or measur\$3) near7 source near15 emission\$1 | US-PGPUB; USPAT; USOCR | OR | ON | 2007/05/01 14:16 |

| S5 | 1154 | (spatial or temporal) near3 emission | US-PGPUB; USPAT; USOCR | OR | ON | 2007/05/02 10:32 |
|-----|-------|--|----------------------------------|----|------|-------------------|
| S7 | 1433 | (determin\$3 or evaluat\$4 or detec\$3 or sens\$3 or measur\$3) near7 source near15 emission\$1 | EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/01 12:26 |
| S10 | 204 | ((enhanc3 or heighten\$3 or increas\$3) near3 sensitivity near15 emission near3 (sens\$3 or detect\$3 or transducer or measur\$4 or determin\$3)) or (known near3 emission near4 concentration\$1) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/05/01 12:29 |
| S11 | 36 | S10 and S4 | US-PGPUB; USPAT; USOCR | OR | ON · | 2007/05/01 12:31 |
| S12 | 1 | S11 and S5 | US-PGPUB; USPAT; USOCR | OR | ON | 2007/05/01 12:29 |
| S13 | 23421 | (determin\$3 or evaluat\$4 or detec\$3 or sens\$3 or measur\$3) near7 source near15 (emission\$1 or emitt\$3) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/05/01 12:35 |
| S14 | 166 | S13 and S5 | US-PGPUB; USPAT; USOCR | OR | ON | 2007/05/01 12:40 |
| S16 | 9 | known near3 (emission or emitt\$3) near3 concentration near7 (sens\$3 or transducer or detect\$3) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/05/01 12:44 |
| S17 | 0 | known near3 (emission or emitt\$3) near3 concentration near7 (sens\$3 or transducer or detect\$3) | EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/01 14:07 |
| S19 | 17 | known near3 (emission or emitt\$3) near3 concentration near15 (sens\$3 or transducer or detect\$3) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/05/01 15:09 |
| S20 | 2599 | (spatial or temporal) near15 (air or plume) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/05/01 14:22 |
| S21 | 4287 | (determin\$3 or evaluat\$4 or detec\$3 or sens\$3 or measur\$3 or analysis) near7 ((air near3 concentration\$1) or plume) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/05/01 14:19 |
| S22 | 32 | (spatial or temporal) near15 (air or plume) near15 concentration\$1 | US-PGPUB; USPAT; USOCR | OR | ON · | 2007/05/01 14:30 |
| S23 | 7 | (spatial or temporal) near15 (air or plume) near15 concentration\$1 | EPO; JPO; DERWENT; IBM_TDB | OR | ON | .2007/05/01 14:30 |

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|-----|------|---|----------------------------------|------|------|------------------|
| S24 | 1 | (gas\$4 near3 (compound or composition)) near15 (emitt\$4 or emission\$1) with (amplify or amplification or isolate or (set near3 apart) or seperate) near15 (signal or output) near15 (emitt\$4 or emission\$1) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/05/01 15:07 |
| S26 | 0 | (gas\$4 near3 (compound or composition)) near15 (emitt\$4 or emission\$1) with (amplify or amplification or isolate or (set near3 apart) or seperate) near15 (signal or output) near15 (emitt\$4 or emission\$1) | EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/01 15:07 |
| S27 | 0 | known near3 (emission or emitt\$3) near3 concentration near15 (sens\$3 or transducer or detect\$3) | EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/01 15:19 |
| S28 | 73 | (known or reference) near15 ((emission or emitt\$3) or (gas\$4 near3 (compound or composition))) with ((enhanc\$3 or improv\$3 or increas\$3 or heighten\$3) near15 (sens\$3 or detect\$3 or transducer)) | EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/02 10:06 |
| S29 | 0 | (known or reference) near15 (((emission or emitt\$3) near3 concentration) or (gas\$4 near3 (compound or composition))) with ((enhanc\$3 or improv\$3 or increas\$3 or heighten\$3) near15 (sens\$3 or detect\$3 or transducer)) | EPO; JPO; DERWENT; IBM_TDB | OR . | ON | 2007/05/01 15:25 |
| S30 | 2 | (known or reference) near15 ((emission or emitt\$3) or (gas\$4 near3 (compound or composition))) with (air near3 concentration) | EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/02 10:10 |
| S31 | 16 | (known or reference) near15 ((emission or emitt\$3) or (gas\$4 near3 (compound or composition))) with (air near3 concentration) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/05/02 10:11 |
| S32 | 74 | (spatial or temporal) near7 (gas\$4 near3 concentration\$1) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/05/02 11:10 |
| S33 | . 15 | (spatial or temporal) near7 (gas\$4 near3 concentration\$1) | EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/02 10:52 |
| S34 | 371 | (702/100).CCLS. | US-PGPUB; USPAT | OR | OFF | 2007/05/02 10:52 |
| S35 | 6423 | (spatial or temporal) near7 analysis | US-PGPUB; USPAT; USOCR | OR | ON | 2007/05/02 11:11 |
| S36 | 8 | S34 and S35 | US-PGPUB; USPAT; USOCR | OR | ON . | 2007/05/02 11:12 |

| S37 | 92804 | (spatial or temporal or time) near7 analysis | US-PGPUB; USPAT; USOCR | OR | ON | 2007/05/02 12:53 |
|-----|-------|--|------------------------------|----|----|------------------|
| S38 | 34 | S34 and S37 | US-PGPUB; USPAT; USOCR | OR | ON | 2007/05/02 11:12 |